

FIG. 1

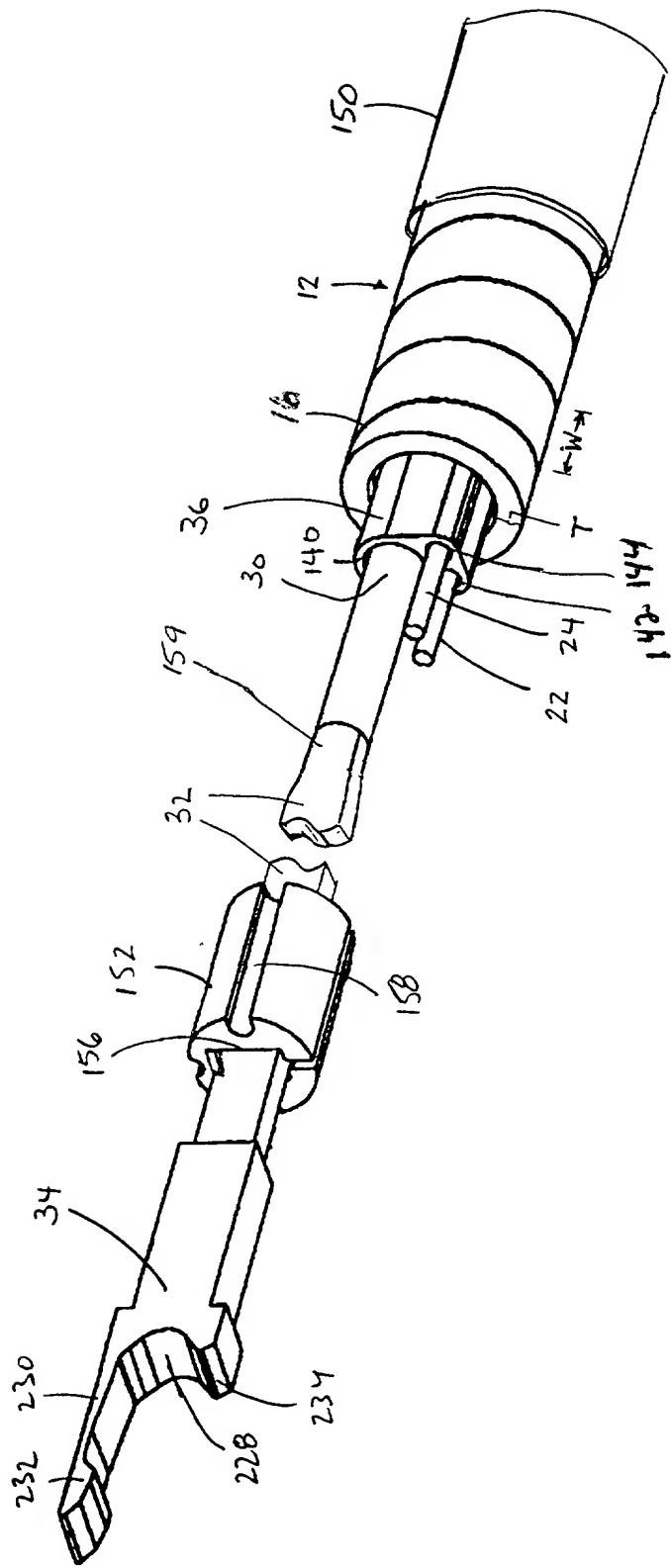


FIG. 2

1001001

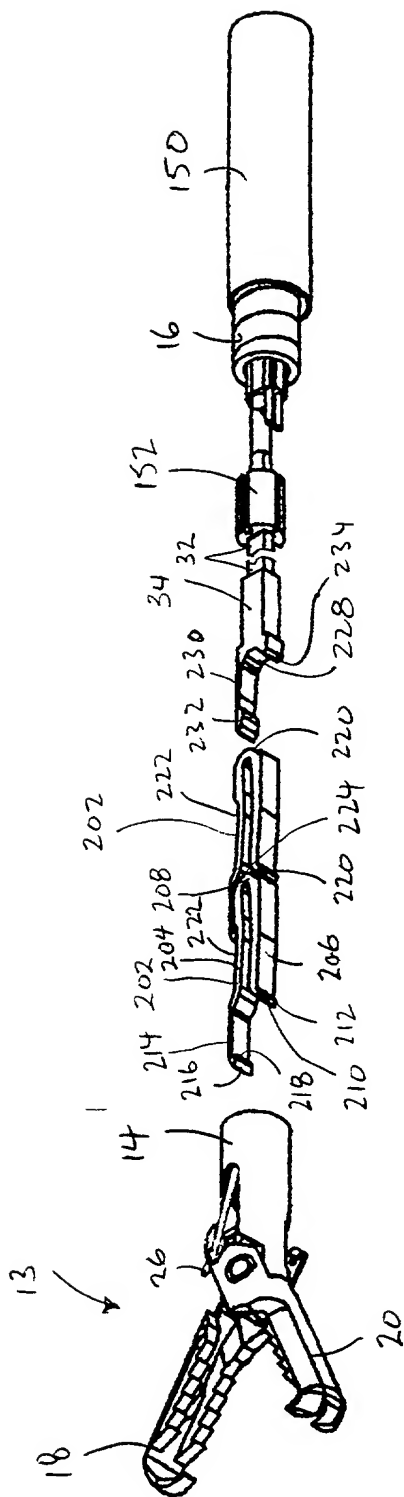


Fig. 2A

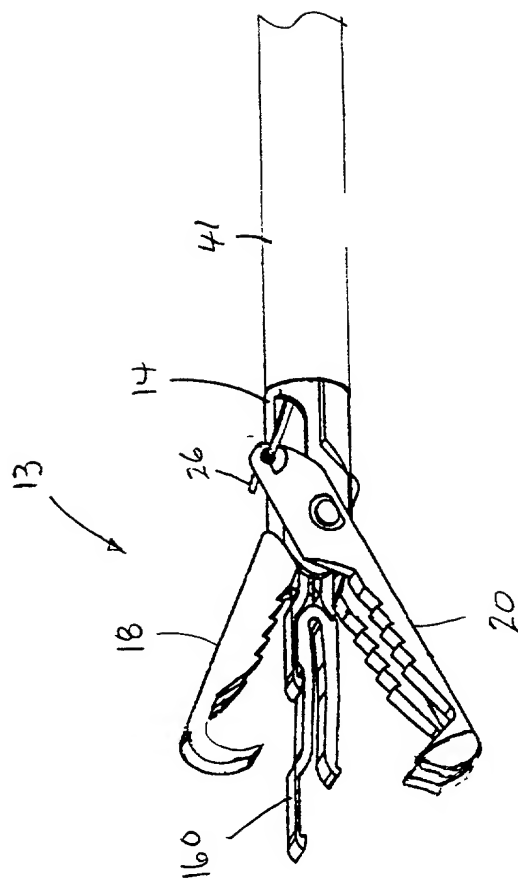


Fig. 3

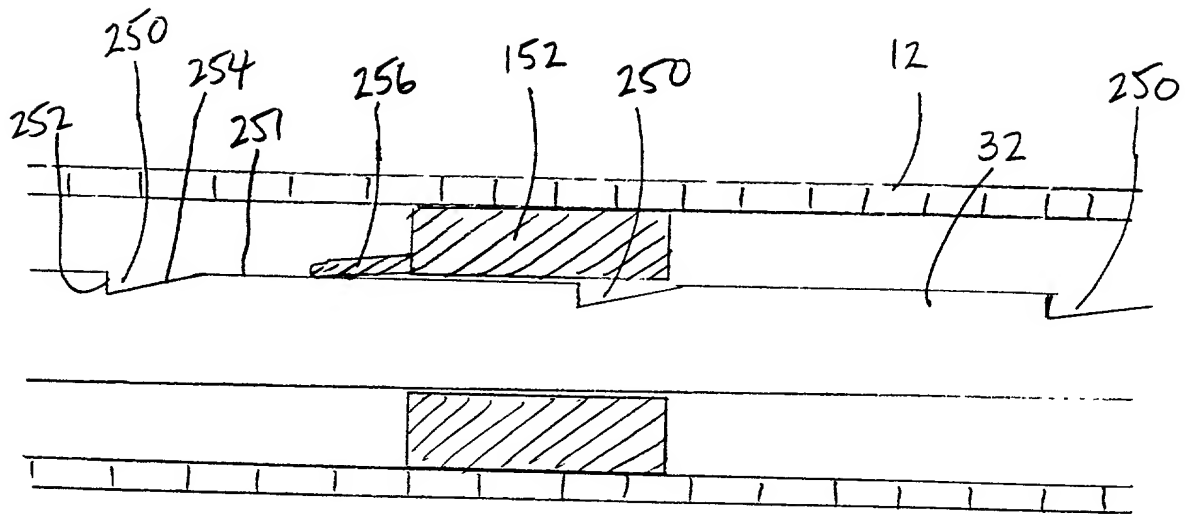


FIG. 2B

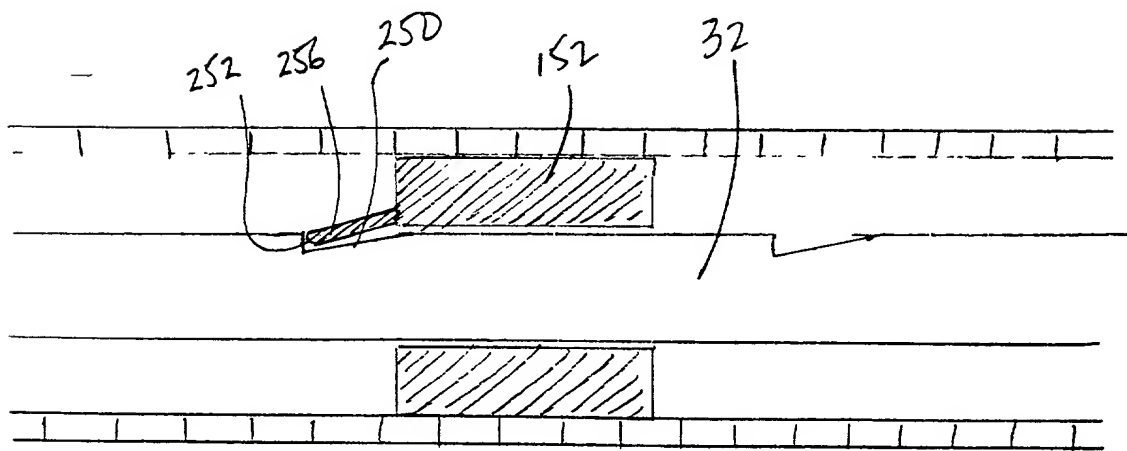


FIG. 2C

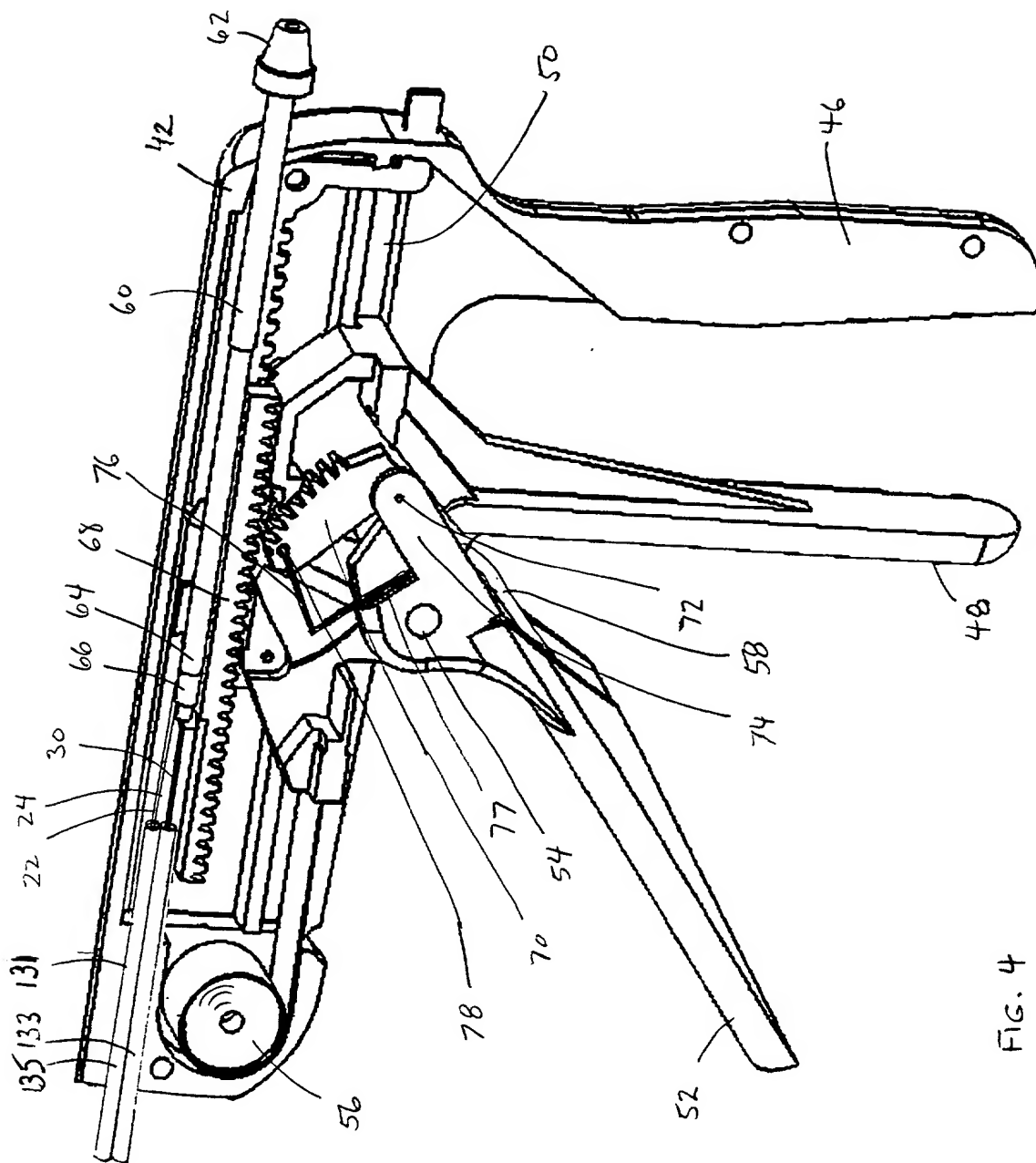


FIG. 4

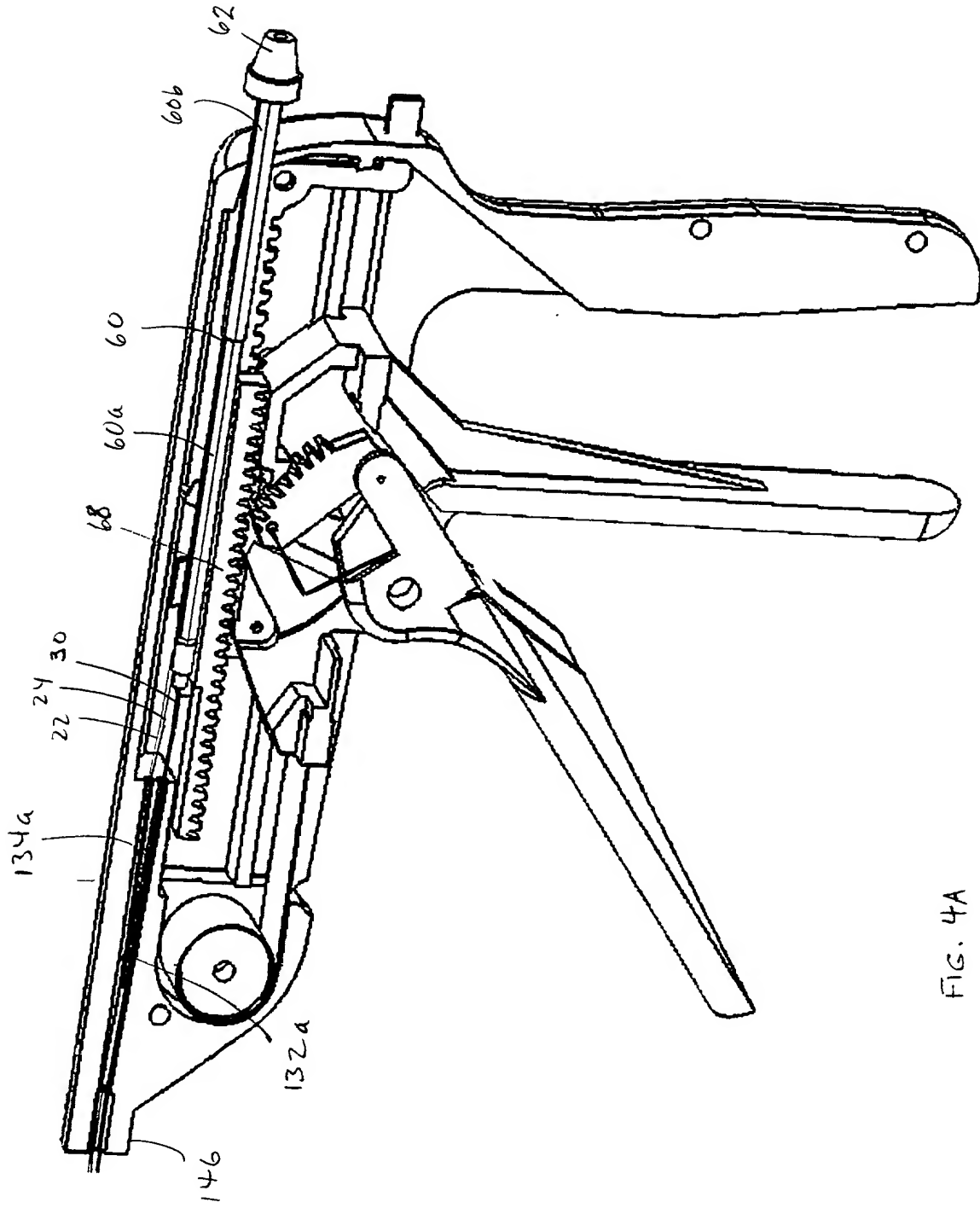


FIG. 4A

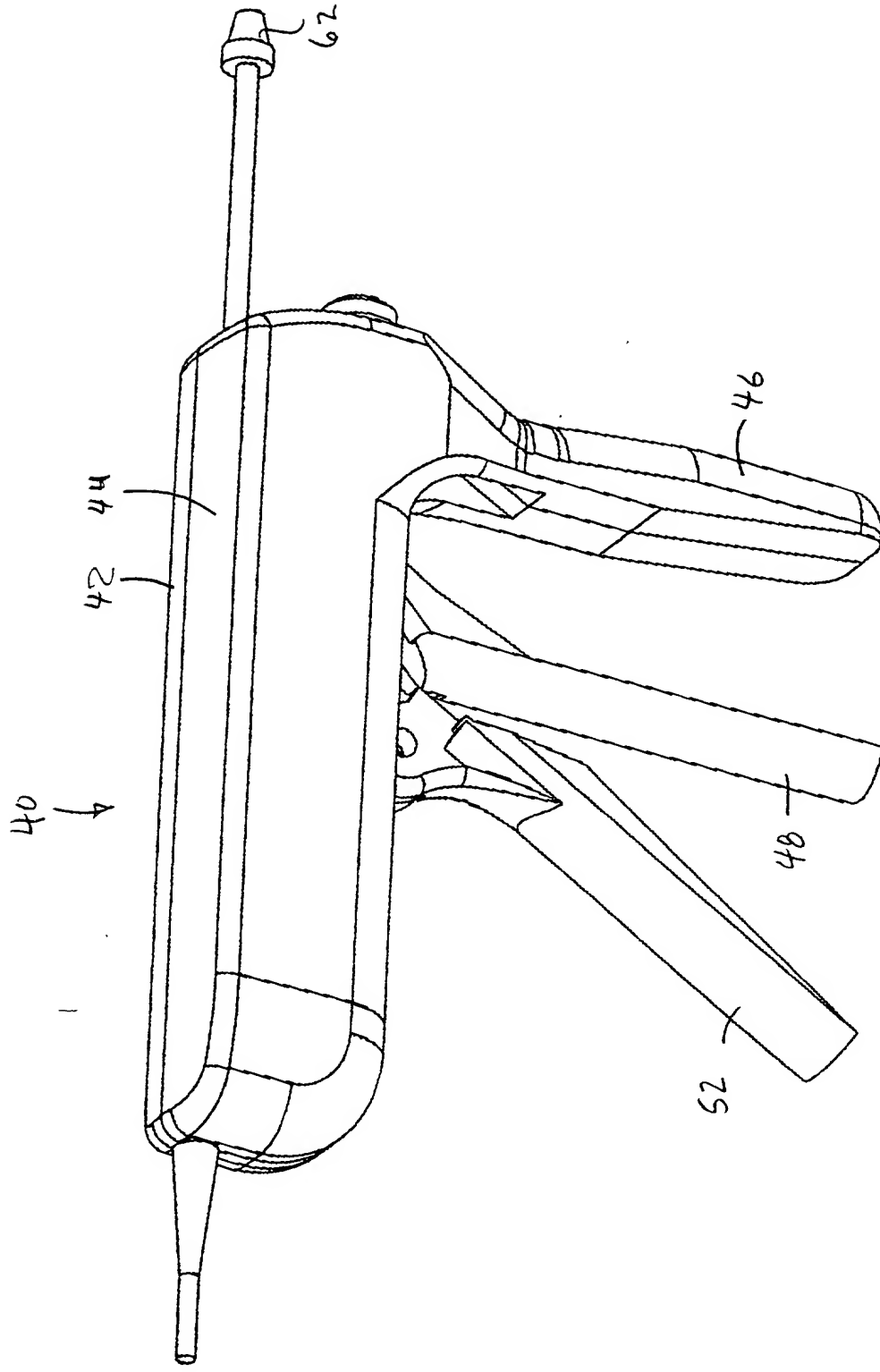
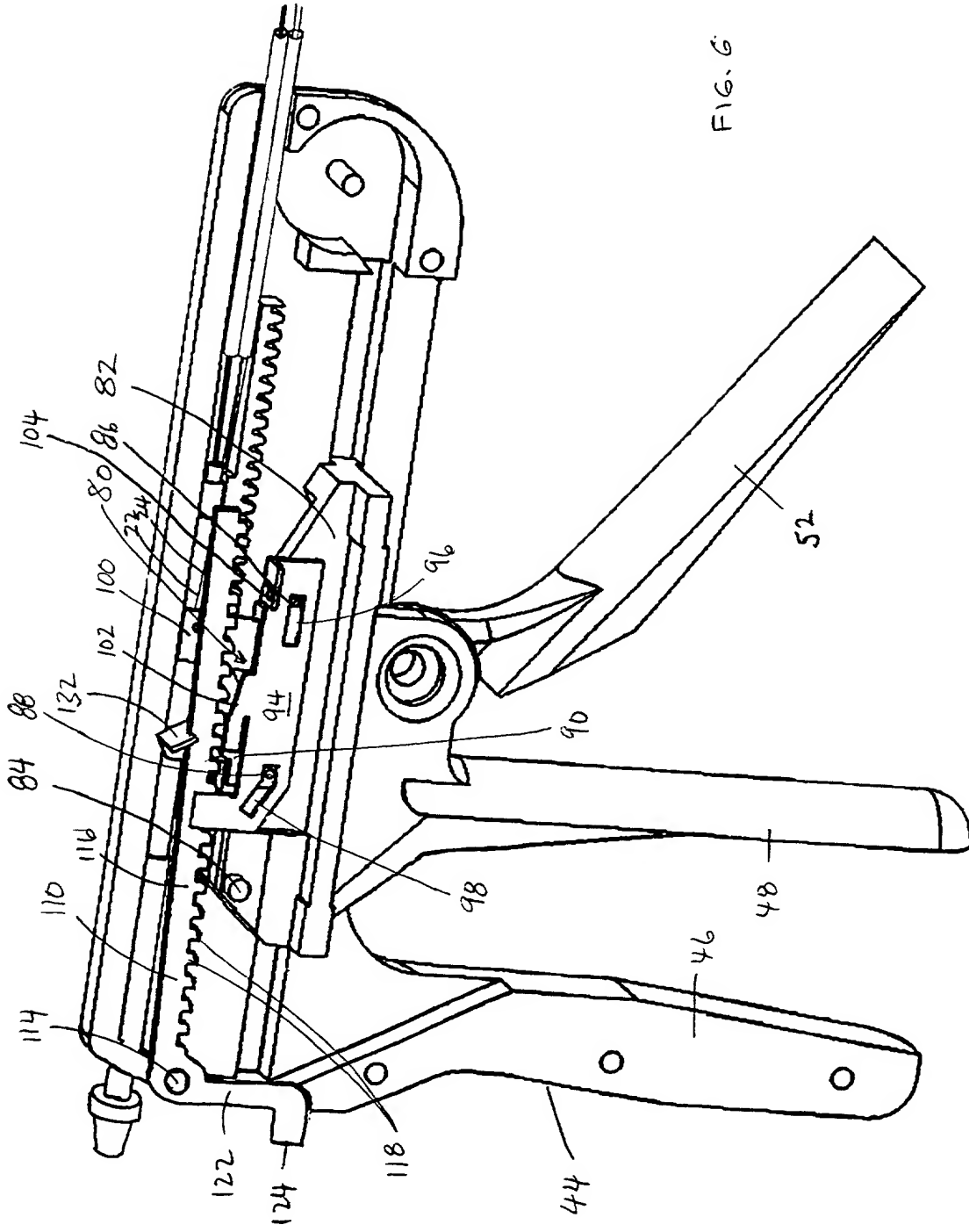


FIG. 5



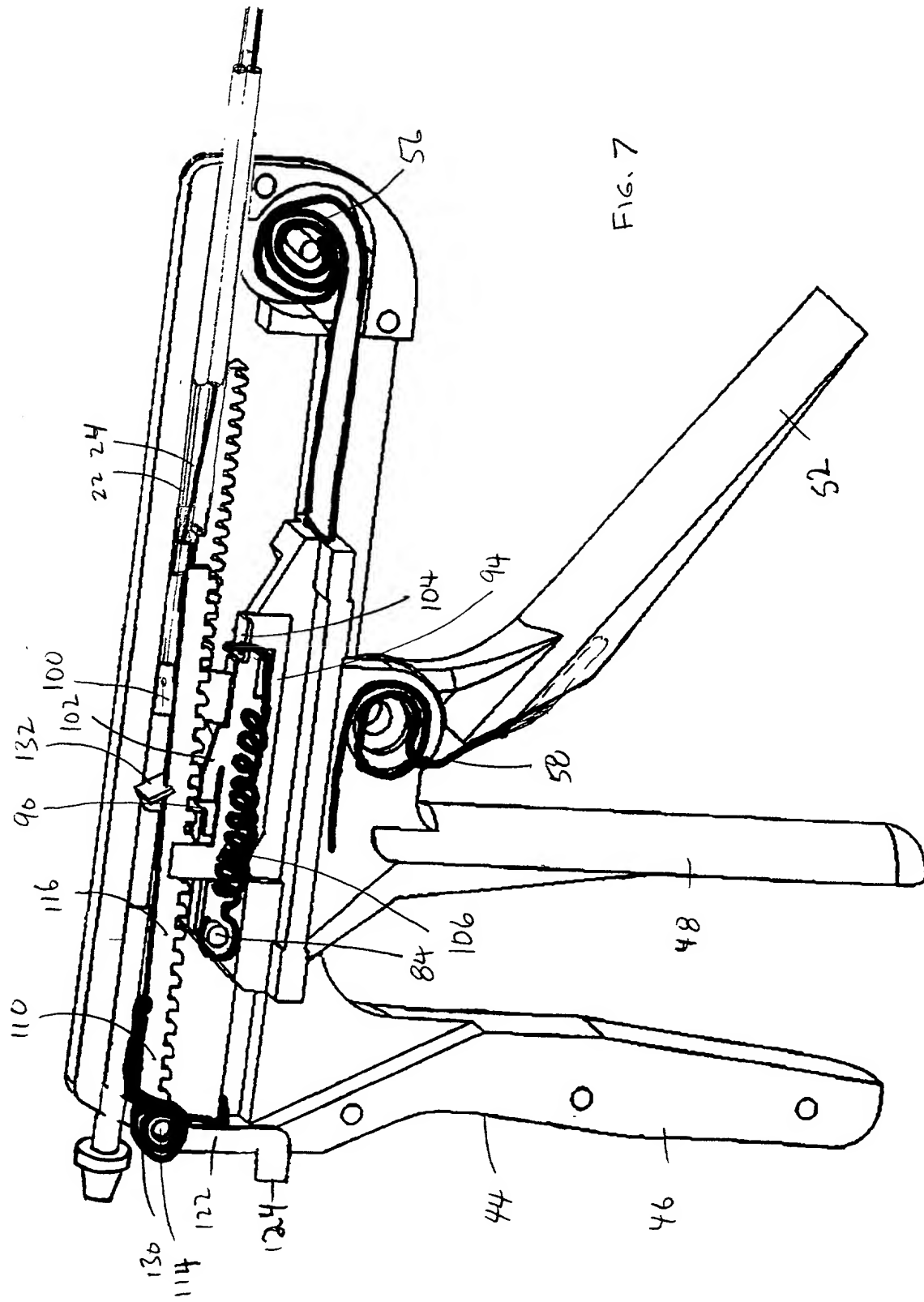


FIG. 7

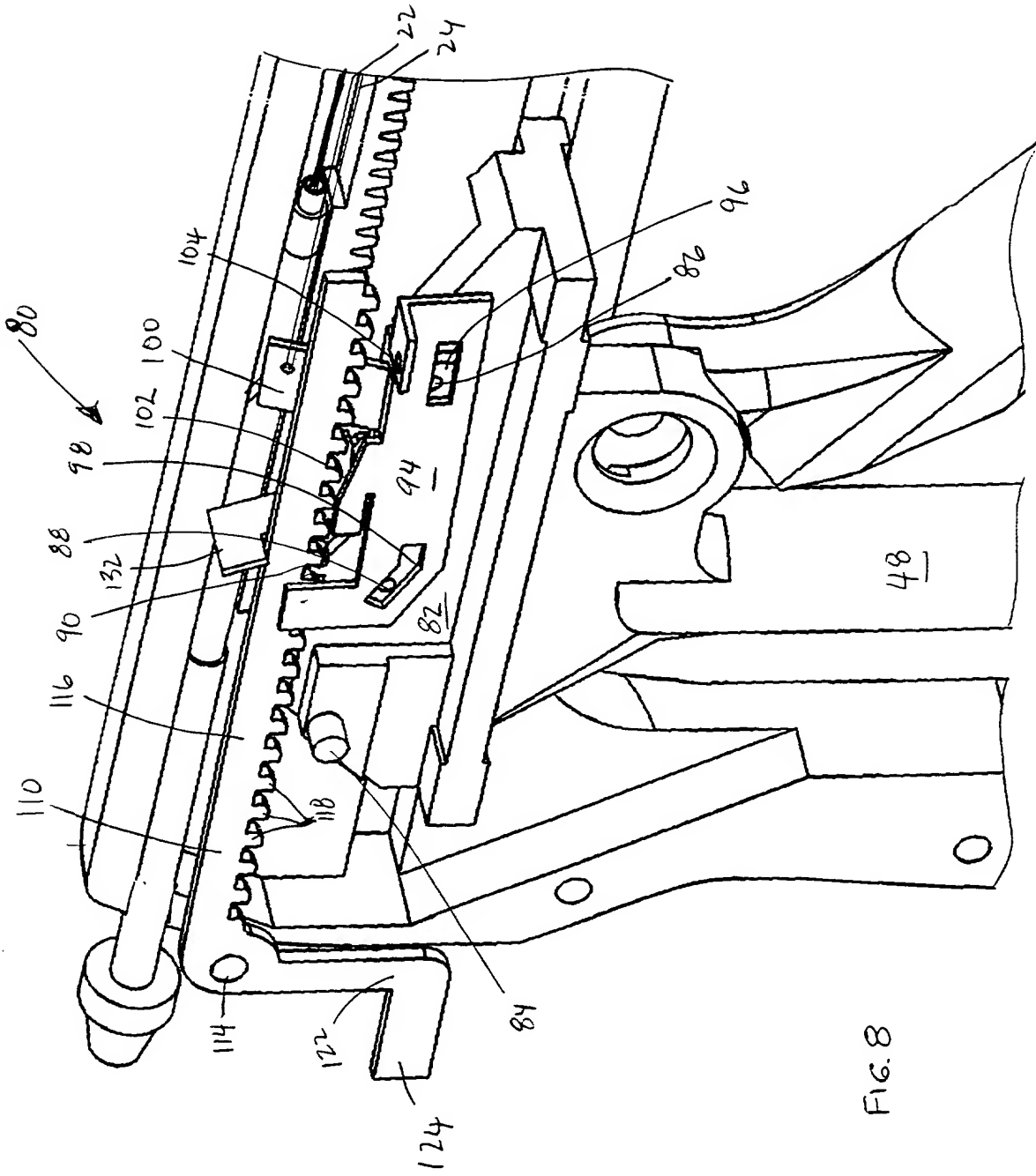
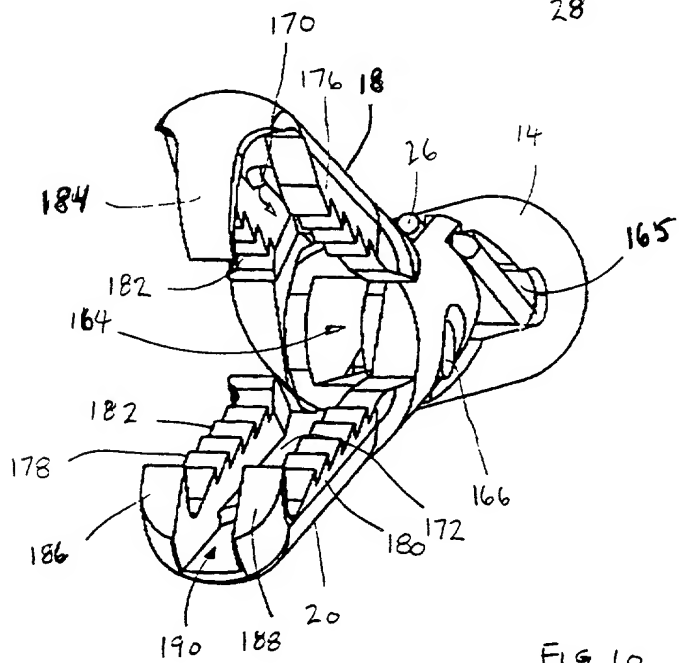
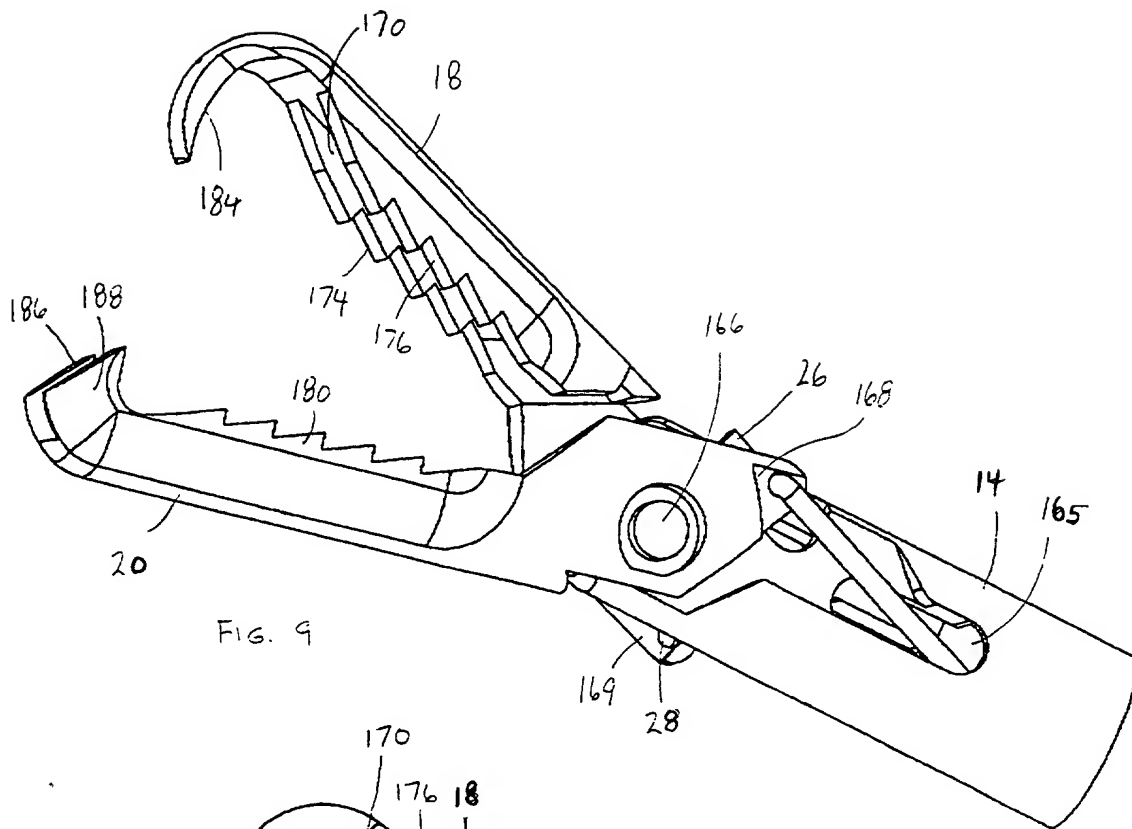


FIG. 8



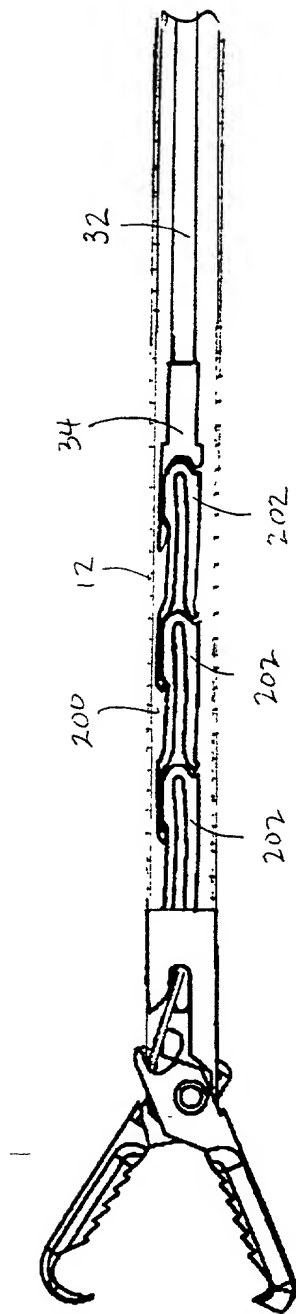


FIG. 11

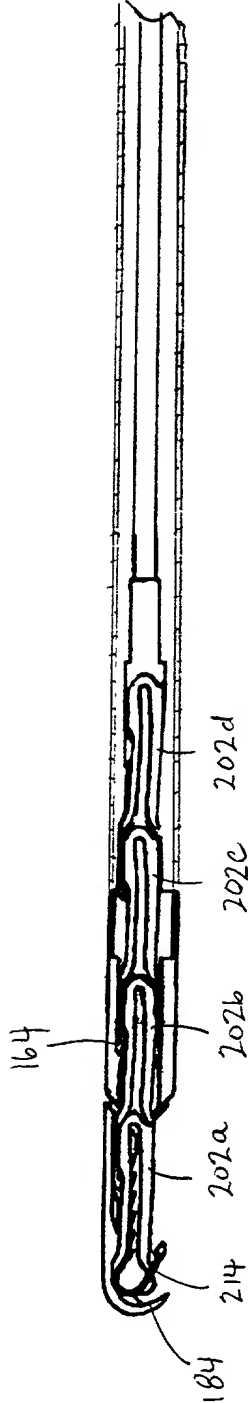


FIG. 17

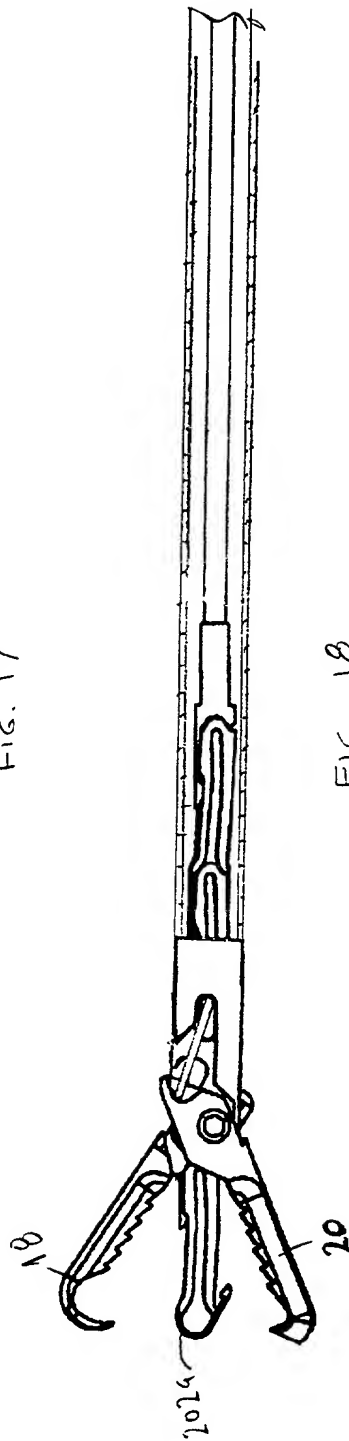


FIG. 18

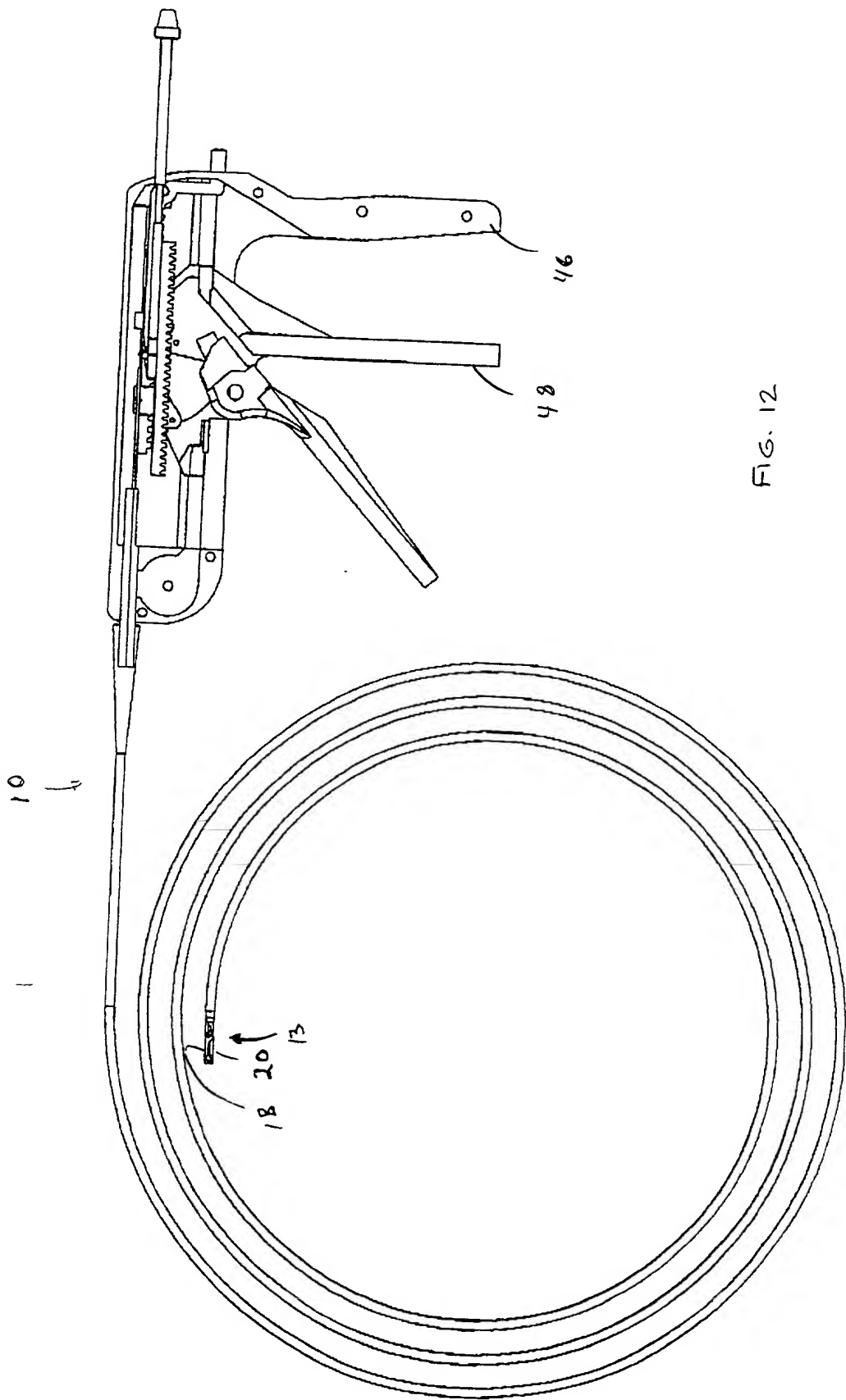


FIG. 12

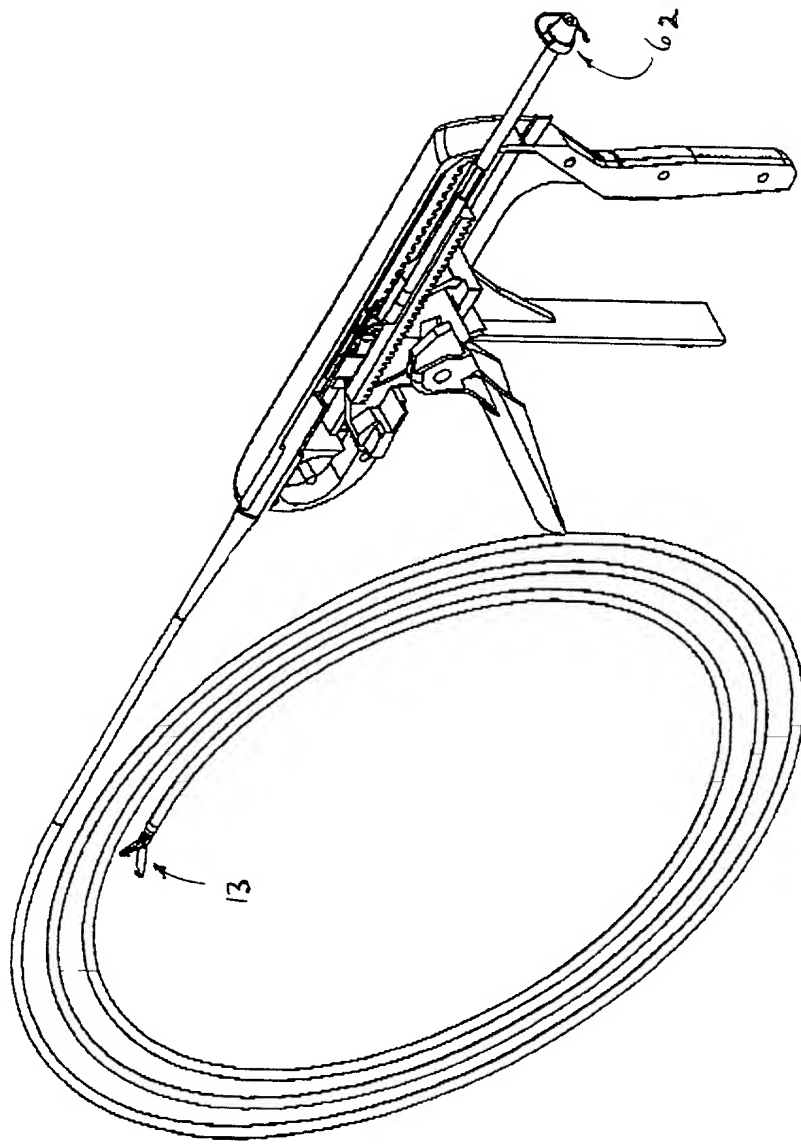
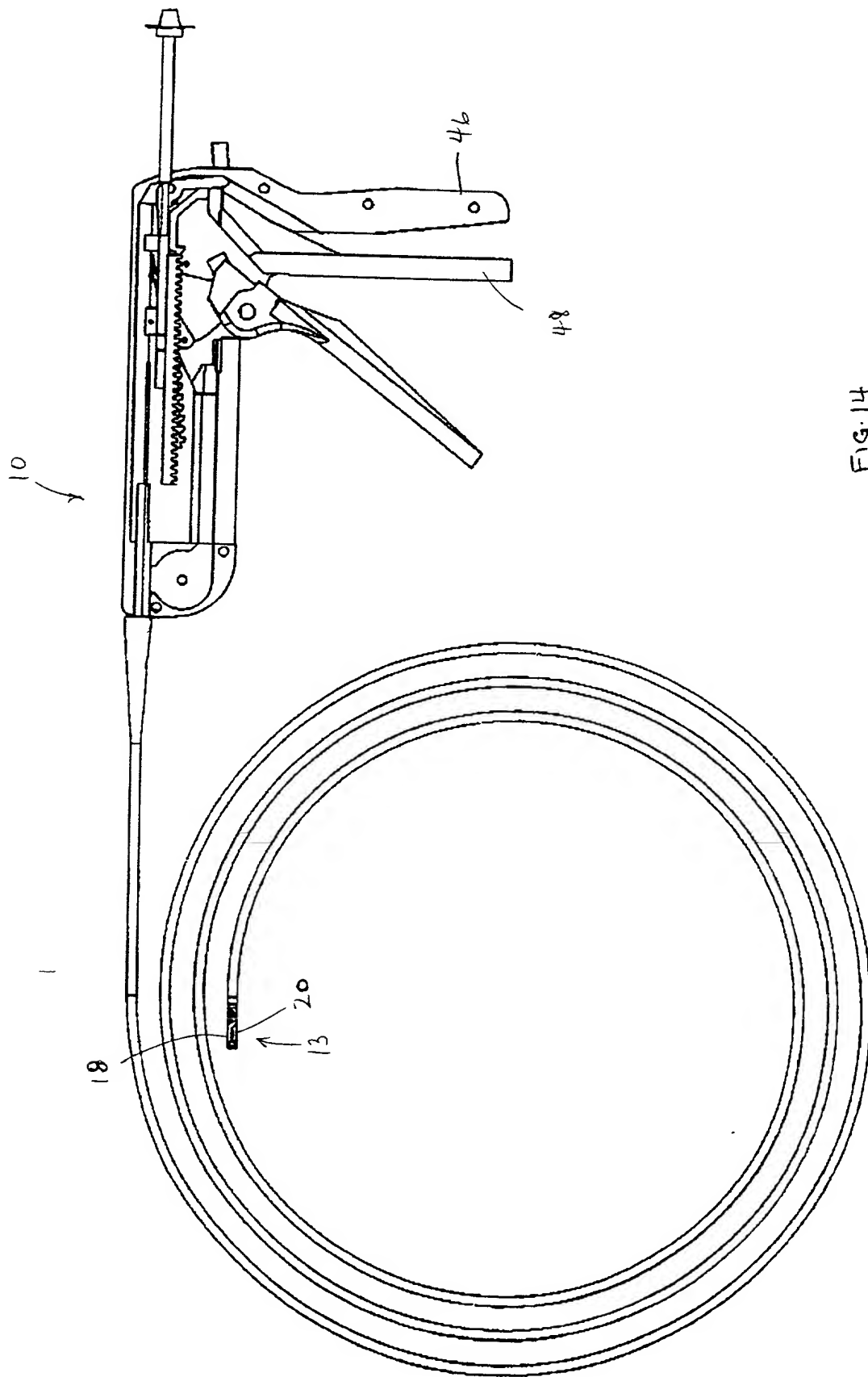


FIG. 13



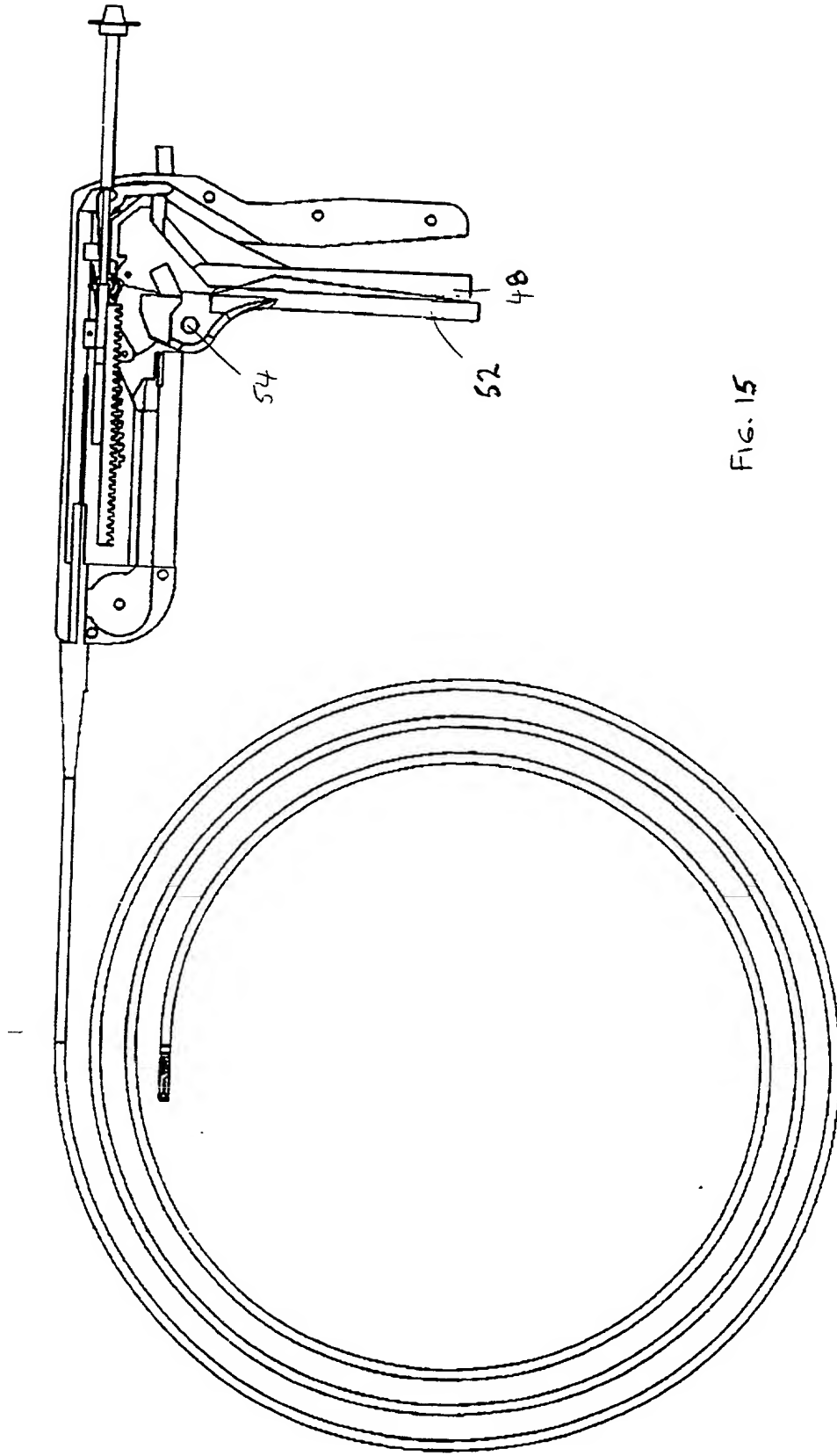


FIG. 15

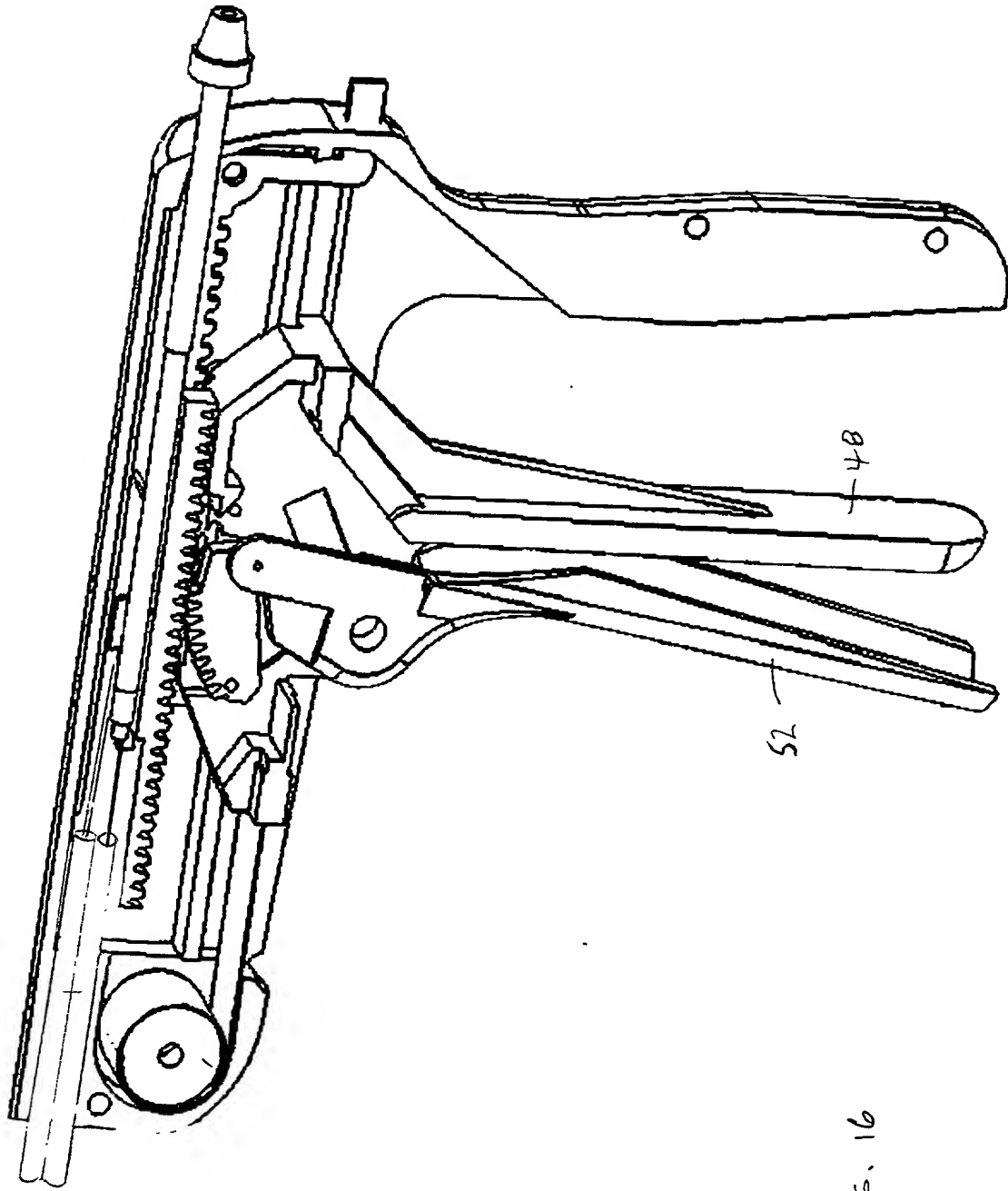
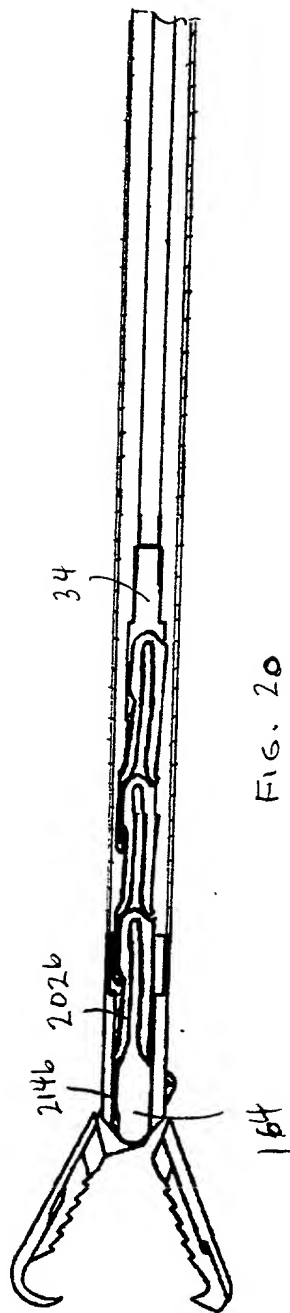
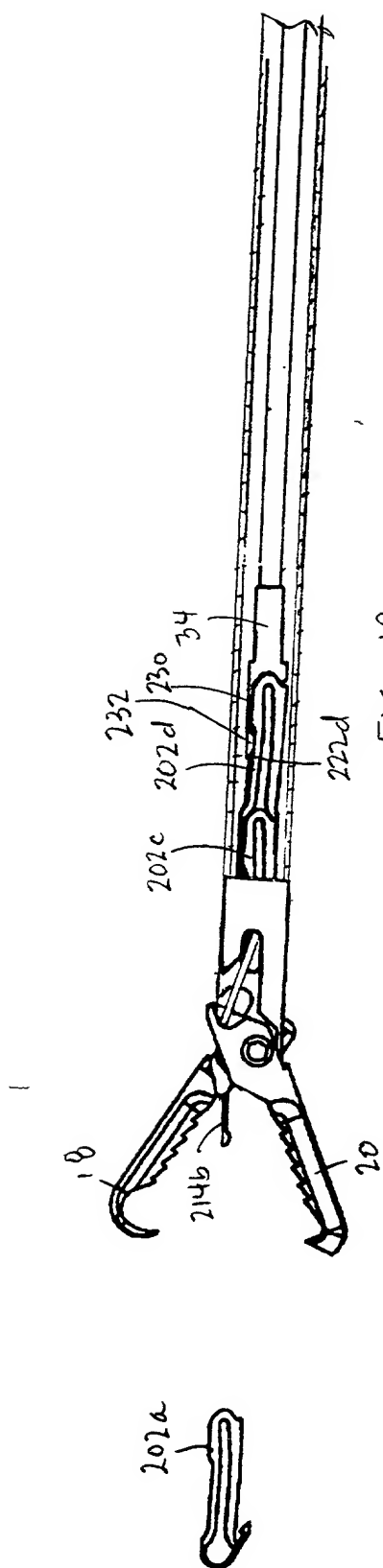
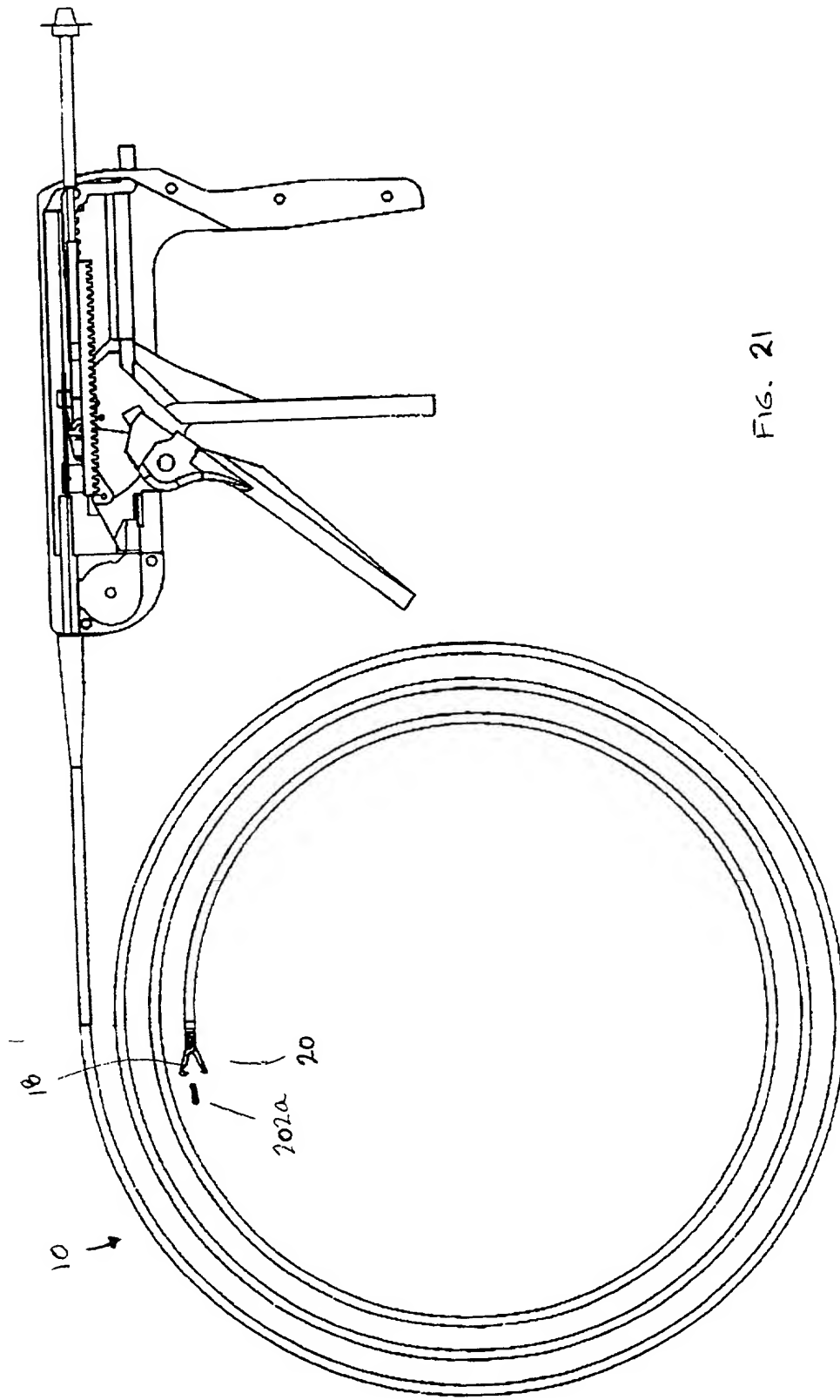


FIG. 16





Coil O.D.	0.08	0.09	0.09	0.09	0.09	0.09	0.09	0.086	0.086	0.086	0.083
Coil I.D.	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.053	0.053	0.054	0.054
Clip Advancing Wire O.D.	0.017	0.017	0.017	0.015	0.02	0.02	0.02	0.017	0.017	0.017	0.017
End Effector Wire O.D.	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.009	0.009	0.009	0.009
Barrier Sheath	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
	RUN #1	RUN #2	RUN #3	RUN #4	RUN #5	RUN #6	RUN #7	RUN #8	RUN #9	RUN #10	RUN #11
1 lb	0.46	0.24	0.32	0.54	0.59	0.56	0.45	0.87	0.4	0.57	0.77
2 lb	1.19	0.75	0.9	1.07	1.07	1.07	0.69	1.62	1.12	1.02	1
3 lb	1.67	1.24	1.44	1.51	1.9	1.7	1.02	2.07	1.61	1.39	1.77
4 lb	2.19	1.81	1.98	2.62	2.3	2.6	1.51	2.61	2.01	2.09	2.76
5 lb	2.74	2.35	2.59	2.05	3.07	2.98	2.26	3.5	2.44	3.19	3.15
6 lb	3.27	2.82	2.61	2.11	3.68	3.72	2.56	3.87	2.78	3.5	3.61
7 lb	3.32	3.12	3.37		3.93	3.8	3.34	4.56	3.54	3.92	4.48
8 lb	3.82	3.42			4.03	4.08	3.54	4.61	4.28	4.42	5.17
Weight	11 lb	11 lb	11 lb	11 lb	11 lb	11 lb	11 lb	11 lb	11 lb	11 lb	11 lb
Position	no loops	1 loop	2 loops	no loops	no loops	1 loop	2 loops	no loops	2 loops	no loops	no loops

FIG. 22

EFFICIENCY PLOT

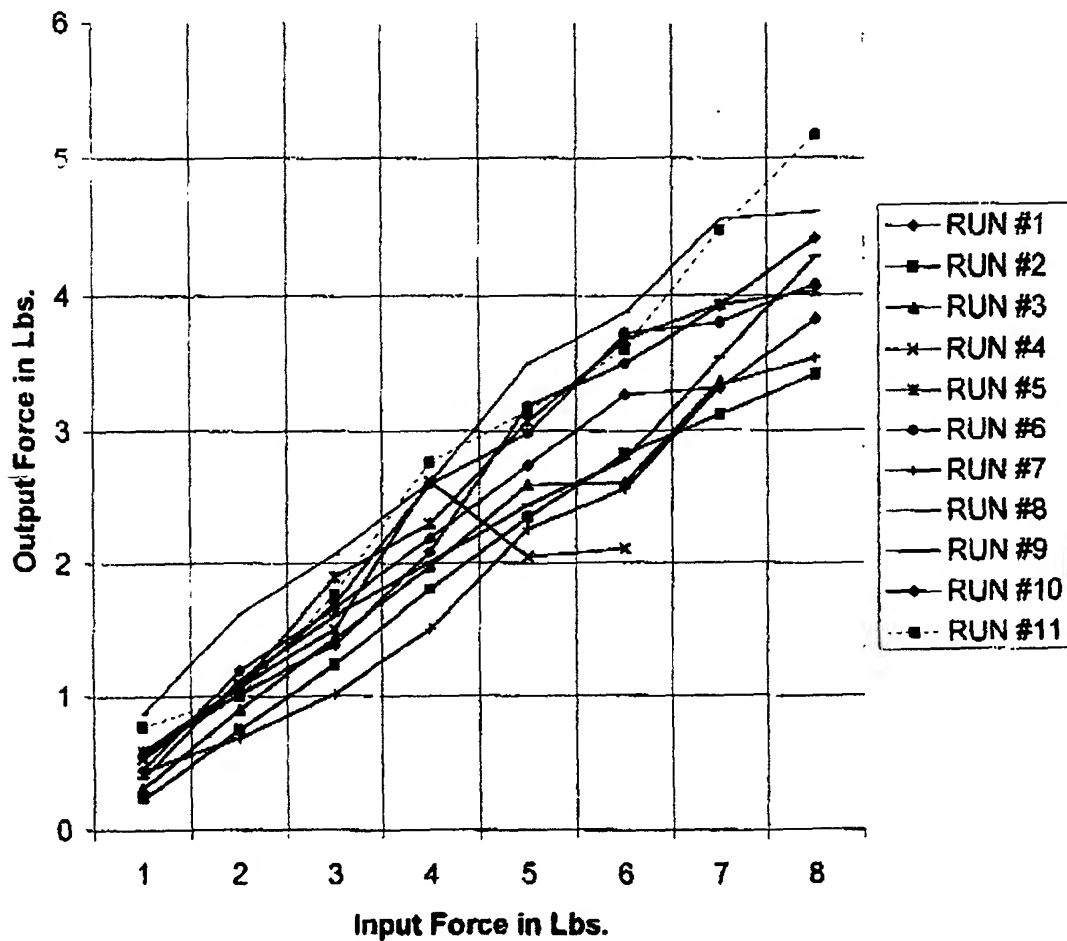


FIG. 23